## What is claimed is:

1		1.	A weightlifting apparatus for supporting a dumbbell, the			
2	apparatus co	apparatus comprising:				
3		first and second side frames;				
4		elevati	on adjustment means carried on the first and second side frames;			
5	and					
6		at leas	t one dumbbell support coupled to the elevation adjustment			
7	means for su	pporting	g a dumbbell in a plurality of different elevations.			
•						
1		2.	The weightlifting apparatus of claim 1 wherein the dumbbell			
2	support com	prises:				
3		an ang	ularly adjustable, pivotal portion adapted for receiving and			
4	supporting a	supporting a dumbbell.				
1		3.	The weightlifting apparatus of claim 2 wherein the angular			
2	adjustable, p	ivotal po	ortion includes a dumbbell receiver for supporting the dumbbell.			
1		4.	The weightlifting apparatus of claim 3 further comprising:			
2			h formed in the dumbbell receiver to facilitate access to the			
3	dumbbell mo	unted o	n the angularly adjustable, pivotal portion.			
1		5.	The weightlifting apparatus of claim 3 wherein the dumbbell			
2	receiver com	•				
3		a plate	pivotally coupled to the crossbar mount, the plate including a			
4	plurality of s	urality of spaced apertures; and				
5		a latch carried on the crossbar mount and releasably engagable with one				
6	of the apertu	ertures to adjust the angular position of the plate with respect to the crossba				
7	mounting po	rtion.				
1		6.	The weightlifting apparatus of claim 2 wherein the crossbar			
2	mounting po	nounting portion comprises:				

3	a collar mountable over the crossbar.
1	7. The weightlifting apparatus of claim 1 further comprising:
2	a horizontal crossbar engaged with the elevation adjustment means, the
3	dumbbell supports mounted on the crossbar.
1	The weightlifting apparatus of claim 7 when the dumbbell
2	support comprises:
3	a crossbar mounting portion for movably adjusting the dumbbell
4	support along the crossbar.
1	9. The weightlifting apparatus of claim 8 further comprising:
2	means for latching the crossbar mounting portion to the crossbar in one
3	of a plurality of positions along the crossbar.
1	10. The weightlifting apparatus of claim 8 further comprising:
2	means for latching the crossbar mounting portion to the crossbar in a
3	plurality of discrete positions.
1	11. The weightlifting apparatus of claim 10 wherein the latching
2	means comprises:
3	a plurality of spaced apertures along the crossbar; and
4	a spring biased pin carried on the crossbar mounting portion releasably
5	engagable with one of the apertures in the crossbar.
1	12. The weightlifting apparatus of claim 7 wherein the dumbbell
2	support comprises two dumbbell supports.
1	13. The weightlifting apparatus of claim 1 wherein the elevation
2	adjustment means comprises:
3	a threaded screw supported on each of the first and second side frames;

4	a rotative drive coupled to both screws for bi-directionally rotating bot
5	screws; and
6	the dumbbell support coupled to each of the screws for elevational
7	movement.
1	14. The weightlifting apparatus of claim 13 further comprised:
2	a horizontal crossbar movably coupled to each screw, the dumbbell
3	support carried on the crossbar.
1	15. The weightlifting apparatus of claim 13 wherein the drive
2	comprises:
3	a electric motor mounted to the first and second side frames, the motor
4	the electric motor having an output shaft; and
5	an elongated member extending to and coupled to each screw and to
6	the output shaft for transmitting rotation of the motor output shaft to each of the
7	screws.
1	16. The weightlifting apparatus of claim 13 further comprising:
2	a rotative drive coupled to both screws for bi-directionally rotating bot
3	screws, the drive including:
4	a first rotatable member;
5	second and third rotatable members each fixedly coupled to one of the
6	screws; and
7	an elongated member extending to and coupled to each of the first,
8	second and third rotatable members for transmitting rotation of the drive to each of
9	the screws.
1	17. The weightlifting apparatus of claim 16 wherein:
2	the first, second and third rotatable members include teeth; and
3	the elongated member includes teeth meshingly engagable with the
4	teeth on the first, second and third rotatable members.
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1		18.	The weightlifting apparatus of claim 16 wherein the drive		
2	comprises:		•		
3		a rota	table shaft coupled to the first rotative member such that rotation		
4	of the shaft i	haft rotates the first rotative member.			
1		19.	A weightlifting apparatus for supporting a dumbbell, the		
2	apparatus co	apparatus comprising:			
3		first and second side frames;			
4		a hori	zontal crossbar extending between the first and second side		
5	frames;				
6		a pair	of dumbbell supports movably mounted on the crossbar; and		
7		a latcl	n on each dumbbell support for releasably latching each dumbbell		
8	support in a	horizon	tally adjustable position along the crossbar.		
			•		
1		20.	The weightlifting apparatus of claim 19 wherein the latch		
2	comprises:				
3		a plur	ality of spaced apertures formed along the crossbar; and		
4		a latcl	pin carried on the each dumbbell support, the pin releasably		
5	engagable w	ith one	of the apertures in the crossbar to releasably latch the dumbbell		
6	support in a	selected	d horizontally adjustable position along the crossbar.		
1		21.	The weightlifting apparatus of claim 20 further comprising:		
2		a pair	of dumbbell supports movably mounted on the crossbar; and		
3		a latcl	n on each dumbbell support for releasably latching each dumbbell		
4	support in a	horizon	stally adjustable position along the crossbar.		
1		22.	The weightlifting apparatus of claim 21 further comprising:		
2		the cr	ossbar mounting portion carried on each dumbbell support and		
3	movable along the crossbar;				

4	an angularly adjustable, pivotal portion coupled to the crossbar				
5	mounting portion, for receiving and supporting a dumbbell;				
6	a dumbbell receiver carried on the pivotal portion; and				
7	means for locking the dumbbell receiver in one of a plurality of angula				
8	positions with respect to the crossbar mounting portion.				
1	23. A weightlifting apparatus for supporting a dumbbell, the				
2	apparatus comprising:				
3	first and second side frames;				
4	a horizontal crossbar extending between the first and second side				
5	frames;				
6	a pair of dumbbell supports movably mounted on the crossbar;				
7	the crossbar mounting portion carried on each dumbbell support and				
8	movable along the crossbar;				
9	an angularly adjustable, pivotal portion coupled to the crossbar				
10	mounting portion, for receiving and supporting a dumbbell;				
11	a dumbbell receiver carried on the pivotal portion; and				
12	means for locking the dumbbell receiver in one of a plurality of angular				
13	positions with respect to the crossbar mounting portion.				
1	24. A weightlifting apparatus for supporting a dumbbell, the				
2	apparatus comprising:				
3	first and second side frames;				
4	a crossbar extending horizontally between the first and second side				
5	frames;				
6	elevation adjustment means carried on the first and second side frames				
7	and coupled to the crossbar for moving and supporting the crossbar in a plurality of				
8	different elevations;				
9	at least one dumbbell support coupled to the crossbar for supporting a				
10	dumbbell; and				
11	a foot rest disposed within the first and second side frames				

1		25.	The weightlifting apparatus of claim 24 wherein the foot rest
2	comprises:		
3		a sup	port frame providing vertical and for/aft adjustable positioning of
4	a foot suppo	rt men	nber.